

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3281	(381/1,17,18,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:16
S2	185	(381/19).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:16
S3	0	("konagai.in.and\$4speaker\$1and(block \$1near10stack\$3)andhighandlow").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:17
S4	1	konagai.in. and \$4speaker\$1 and( block \$1 near10 stack\$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:17
S5	0	takumai.in. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:17
S6	1	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:17
S7	2	konagai.in. and \$4speaker\$1 and(stack \$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:18
S8	2	konagai.in. and \$4speaker\$1 and (stack \$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:18
S9	0	takumai.in. and \$4speaker\$1 and ( stack\$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:18

S10	112	"381"/\$.ccls. and (\$4speaker\$1 near10 stack\$3) and high and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 11:26
S11	92	"381"/\$.ccls. and directi\$4 and ((transducer \$4speaker\$1) near5 array) and stack\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:31
S12	3	"381"/\$.ccls. and directi\$4 near20 ((transducer \$4speaker\$1) near5 array) near20 stack\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:32
S13	4	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:32
S14	9	yamaha.AS. and \$4speaker\$1 near10 stack\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:32
S15	19	"381"/\$.ccls. and \$4speaker\$1 near10 stack\$3 near10 direct\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:34
S16	533	(181/144,147).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:35
S17	0	381/337,386,182	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:35
S18	1	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and overlap \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/28 10:45
S19	1397	(381/98-100).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/26 10:06
S20	3425	(381/1,17,18,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/26 10:06

S21	191	(381/19).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/02/26 10:06
S22	0	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and overlap \$4 and (center near10 \$4speaker near20 horizontal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/15 10:14
S23	1	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and overlap \$4 and (center near10 \$4speaker near20 row)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/15 10:18
S24	1	("5233664").PN.	USPAT; USOCR	OR	OFF	2009/06/15 11:02
S25	1	yamaha.AS. and \$4speaker\$1 and ( block\$1 near10 stack\$3) and overlap \$4 and (process\$3 near10 unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/15 14:10
S26	3512	(381/1,17,18,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/21 20:26
S27	194	(381/19).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/21 20:26
S28	1408	(381/98-100).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/21 20:26
S29	1	konagai.in. and \$4speaker\$1 and (stacked near5 horizontal near5 row)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/21 20:31
S32	1	("5301237").PN.	USPAT; USOCR	OR	OFF	2010/01/19 11:34
S37	1	chiyou.in. and \$4speaker\$1 and plane and filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/01/19 14:14
S38	6	"381"/\$.ccls. and \$4speaker\$1 near20 (stacked near5 row)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/01/20 09:50

S41	0	konagai.in. and \$4speaker\$1 and( block\$1 near10 stack\$3) and high and low and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/11/08 11:07
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**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4956	(381/1,17,18,92,111,122,300-307,310,27,98,97).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 11:53
L2	9	L1 and center near10 channel near10 includ\$3 near10 (success\$3 row array) near10 \$4speaker\$1	US-PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 11:53
L3	7	L1 and \$4speaker\$1 and( block\$1 near10 stack\$3) and high and low	US-PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 11:53
S30	172	(381/19).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 11:09
S31	2882	(381/1,17,18,92,111,122).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 11:09
S33	154	381/1,17-19,92,111,122,98-100.ccls. and (center near10 channel near10 includ\$3 horizontal near10 row)	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/19 11:26
S34	0	381/1,17-19,92,111,122,98-100.ccls. and (center near10 channel near10 includ\$3 near10 horizontal near10 row)	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/19 11:27
S35	0	381/1,17-19,92,111,122,98-100.ccls. and (center near10 channel near10 includ\$3 near10 row)	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/19 11:27
S36	9	381/1,17-19,92,111,122,98-100.ccls. and center near10 channel near10 includ\$3 near10 (success\$3 row array) near10 \$4speaker\$1	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/19 11:29
S39	4045	(381/1,17,18,92,111,122,300-307,310).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/11/07 18:23
S40	9	S39 and center near10 channel near10 includ\$3 near10 (success\$3 row array) near10 \$4speaker\$1	US-PGPUB; USPAT; UPAD	OR	OFF	2010/11/07 18:24

S42	4045	(381/1,17,18,92,111,122,300-307,310). CCLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 10:48
S43	2	S42 and center near10 channel near10 includ\$3 near10 (block\$1) near10 \$4speaker\$1	US- PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 10:48
S44	6	381/1,17,18,92,111,122,300-307,310.ccls. and \$4speaker\$1 and( block\$1 near10 stack\$3) and high and low	US- PGPUB; USPAT; UPAD	OR	OFF	2010/11/08 11:08

**11/ 8/ 2010 11:54:05 AM**

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